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appearance, location, color, type, shape and functionality may be conceptually related to the module or system theme (such as image or shape).

In one particular example, the invention can be applied to control and automation, such as industrial control, robotics, 5 factory automation and other similar applications, wherein the control is based on a sequence of events such as a finite state machine. For example, the system can be used as a substitute or a supplement to a PLC (Programmable Control Logic). Most control system involves programming lan- 10 guage stored in software (or firmware) and executed by a processor in order to set (or program) or to execute the required set of controlling steps. One example is ladder logic or C language. Updating or changing such software requires skill and expertise, added to various programming tools, and 15 thus expensive and complex to a lay person. Further, since the software is not directly visible, the programmed control steps are hidden to the user. The system according to the invention can be used to 'program' a process by connecting or attaching various modules, each associated with a differ- 20 ent functionality of control step. Such system forming (as well as its modifications) is easy and intuitive, and does not require any expertise, skill or special tools. Further, the control steps involved are apparent by the type of modules used and their location in the system and in respect to each 25 other. The formed control system may be used for home entertainment and control applications such as smart lighting, temperature control, safety and security, for home awareness applications such as water sensing and control, power sensors, energy monitoring, smoke and fire detectors, 30 smart appliances and access sensors, for commercial building automation such as energy monitoring, HVAC, lighting and access control, and for industrial applications such as process control, asset management, environmental management, and industrial automation.

All publications, patents, and patent applications cited in this specifications are herein incorporated by reference as if each individual publication, patent, or patent application were specifically and individually indicated to be incorporated by reference and set forth in its entirety herein.

Throughout the description and claims this specifications the word "comprise" and variations of that word such as "comprises" and "comprising", are not intended to exclude other additives, components, integers or steps.

Those of skill in the art will understand that the various 45 illustrative logical blocks, modules and circuits described in connection with the embodiments disclosed herein may be implemented in any number of ways including electronic hardware, computer software, or combinations of both. The various illustrative components, blocks, modules and circuits have been described generally in terms of their functionality. Whether the functionality is implemented as hardware or software depends upon the particular application and design constraints imposed on the overall system. Skilled artisans recognize the interchangeability of hardware 55 and software under these circumstances, and how best to implement the described functionality for each particular application.

Although exemplary embodiments of the present invention have been described, this should not be construed to 60 limit the scope of the appended claims. Those skilled in the art will understand that modifications may be made to the described embodiments. Moreover, to those skilled in the various arts, the invention itself herein will suggest solutions to other tasks and adaptations for other applications. It is 65 therefore desired that the present embodiments be considered in all respects as illustrative and not restrictive, refer-

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ence being made to the appended claims rather than the foregoing description to indicate the scope of the invention.

It will be appreciated that the aforementioned features and advantages are presented solely by way of example. Accordingly, the foregoing should not be construed or interpreted to constitute, in any way, an exhaustive enumeration of features and advantages of embodiments of the present invention.

The present invention may be embodied in other specific forms without departing from its spirit or essential characteristics. The described embodiments are to be considered in all respects as illustrative and not restrictive. The scope of the invention is, therefore, indicated by the appended claims rather than by the foregoing description. All changes that come within the meaning and range of equivalency of the claims are to be embraced within their scope.

The invention claimed is:

- 1. A modular game set apparatus comprising:
- a master module comprising in an enclosure:
 - a battery compartment for housing a battery for providing Direct Current (DC) power;
 - an electromechanical connector at an end of the master enclosure and coupled to the battery compartment for passing DC power via the connector; and
 - a payload coupled to the battery compartment for being powered by the DC power and to the electromechanical connector for receiving digital data therefrom and for being controlled or activated in response to the received digital data; and
- a plurality of interchangeable slave modules detachably connectable in series with the master module and with each other, each of the slave modules comprising, in an enclosure:
 - a first electromechanical connector at a first end of the slave module enclosure; and
 - a second electromechanical connector at a second end of the slave module enclosure,
- wherein the electromechanical connectors are physically structured (i) to allow the slave modules to be detachably mechanically coupled to each other in any order and to allow any of the slave modules to be detachably mechanically coupled to the master module, and (ii) to electrically connect electromechanical connectors of respective modules when mechanically coupled to one another:
 - and wherein, when the master module and the slave modules are mechanically connected in a series, the slave modules are powered from the DC power and the payload sequentially operates in response to the order in which the modules are connected.
- 2. The apparatus according to claim 1, wherein the master module further comprises software or firmware and a processor for executing the software or firmware, and wherein the processor is couplable to be powered from the DC power and to control or activate the payload.
- 3. The apparatus according to claim 1, wherein the payload comprises a motor.
- **4**. The apparatus according to claim **1**, wherein the master module further comprises a driving motor and a wheel driven by the driving motor and supporting the master module, and wherein each slave module further comprises a set of wheels supporting the slave module.
- **5**. The apparatus according to claim **1**, wherein each of the slave modules further comprises an annunciator adapted to perform a module-specific task.